

**Data Bus for a Plurality of Nodes****Patent Claims**

1. Data bus for a plurality of nodes that are connected to one another via a star coupler, characterized in that the input signals of said star coupler exist in electrical form, that said star coupler comprises a logical decision gate at whose inputs the outputs of said nodes are connected and to which the input signals are fed, that the output of said decision gate is connected to the inputs of said nodes in a parallel manner via an electrical line, that at least one part of said nodes is connected to optoelectric transducers via an optical transmission segment, said transducers being connected on the load side or on the line side and being situated on said star coupler, and that the inputs of said nodes are connected to the electrical line via a switch that can be controlled independently of the node.
2. Data bus according to Claim 1, characterized in that the switch is addressable.